## General Information

1992

Video: 2 Head Rotary **Audio: Linear Fixed 1** Channel **Covers Models** Akai VS-F261/ VS-F262

VS-F265/VS-F270 VS-F275/VS-F290

## Matrix

Item

See Model

91/92 Book

Mechanical Parts View Akai VS-422/425 89/90 Book. Mechanical Adjustments Akai VS-F10/11 91/92 Book. Replacement Pinch Roller Akai VS10/11

## **Mechanical Parts List**

Description Part No. 6SET20X030SCM PKR FP ZS-374458 6SET30X080SCM PKR CP ZG-373900

Arm Coupling ML-387311J2 Arm Damper ML-391745J3 Arm Lid Opener ML-387350J1 Arm Loading BLK 425EA BL-V1102A140A Arm Loading Brake ML-387423J Arm Review Part ML-387277J3 Arm Shutter ML-38734912

MA-387474J3 Base Drum

Description Part No. Belt Capstan MB-387289J BID20X04STL CMT ZS-464703 BID26X08STL CMT ZS-563444 BID30X03STL CMT ZS-425981 BID30X08STL CMT ZS-321298 Cassette Load BLK 425EA BV-V1102A150A CMT BID30X08STL CMT ZS-321298 Cord FFC P1 25 L=12013P (WP1) EW-389313J D LED GL451 Infrared (D1) ED-390011J D LED GL4800 Infrared (D2) ED-390012J Disk (2) Part MT-390954J1 Disk Clutch Part MZ-387298J3 Earth Brush Part AG VT-401282J Gear Eject MZ-387335J Gear Front Loading MZ-387333J Gear Slam Slider MZ-387331J Gear Toggle(S) BLK 425EA MZ-V1102A090A

Gear Toggle(T) BLK 425EA MZ-V1102A100A Gear Worm Wheel MZ-387332.1 Guide Front (2) SE-395554J Guide Roller D8 PART T-387394J1

Head Combo HVMZA1121A HR-405340J Head E H VFME0020A HE-390013J Holder D-LED MZ-387430J Holder FE Head Part B MZ-402760J1 Holder FPC SZ-387388J Holder Lever Tension (2) SZ-407187J2 Holder Photo Sensor MZ-387446JT Holder S Sensor MZ-387445J Holder Thrust Worm MR-387406J

Idler Part MI-387294J Leader S BLK 425EA V-V1102A070A Leader S BLK 425EA BV-V1102A080A Lever Damper (S) ML-387345J Lever Damper(T) ML-387346J Lever Lock Release ML-387344J Lever Trigger ML-387402J1 Lower Drum BLK X400EGN BV-V1123A410A

## **Head Motors and Miscellaneous**

Part No. Description

BV-V1123A410A Lower Drum BLK X400EGN BV-V1123A420A Upper Drum BLK X400EGN BM-401296J Motor E20EL89 (Drum Motor) HR-405340J Head Combo HTMZA1121A HE-390013J Head HVFME0020A

BM-400682J Motor DFX-67B3VWB1 (Capstan Motor)

BM-387503J Motor Part (Loading Motor)

Recommended Safety De

Description	recommended Safety Parts									
D723, 74 ED-511907 D Silicon 1N4002 100/1.0A EM FR201 ER-400959J R Fuse V TO5 ERD2FCV 1/4W 1200G FR202, 501 ER-404093J R Fuse V TO5 RF25SCVTP1/14WR56K FR350 ER-400729J R Fuse V TO5 RF25SCVTP1/14WR47K FR601 ER-331188 R Fuse H S10 ERD2FC 1/4W BR2J EOG RL101 EQ-400153J Relay POW AG2013 1TR 12V EM TR1, 5, 9, 13 ET-366365 TR 2SB1185 E,F TR12 ET-405622J TR 2SD2061 E,F BT-403873J Trans Pow V1130 EO (Except EOG-V) BT-403872J Trans Pow V1130 EK	Item	Part No.	Description							
	D723, 74 FR201 FR202, 501 FR350 FR601 RL101 TR1, 5, 9, 13	ER-400959J ER-404093J ER-400729J ER-331188 EQ-400153J ET-366365 ET-405622J BT-403873J BT-403883J BT-403872J	R Fuse V TO5 ERD2FCV 1/4W 1200G R Fuse V TO5 RF25SCVTP1/14WR56K R Fuse V TO5 RF25SCVTP1/4WR47K R Fuse H S10 ERD2FC 1/4W BR2J EOG Relay POW AG2013 1TR 12V EM TR 2SB1185 E,F TR 2SD2061 E,F Trans Pow V1130 EO (Except EOG-V) Trans Pow V1130 EOG-V (EOG-V)							

Description Part No. Main Brake (S) Part ML-387316J Main Brake (T) Part ML-387318J Mecha Deck BLK F260EA BB-V1130A020H Motor DFX-67B3VWB1 (Capstan Motor) BM-400682J1 Motor E20EL89 (Drum Motor) BM-401296J Motor Part (Gear Worm Part) MZ-387330J **NUT Review** ZW-401776J PAN20X02STL BZN PS1 ZS-404844J PAN26X12STL CMT ZS-467796 PAN30X06STL CMT ZS-379350 PC() SENSOR EA-387496J Pinch Roller (2) Part MP-404852J Plate Upper (2) MZ-406134J PT BID26X06STL CMT ZS-365149 PT BID26X10ST CMT ZS-389950J PT BID30X06STL CMT ZS-358936 Pulley Trigger(2) MR-391968J

Precautionary items prior to adjustment

The following test tapes are required

Parts No.

AT-711880

AT-751775

AT-751360

AT-751785

1. MODE and INPUT SIGNAL/TEST TAPE

STEP ADJUSTMENT ITEM

2. TEST POINT and ADJ part

6 VIDEO REC CURRENT

3. REMARKS (\*) & RESULT (\*)

"REC". PAL colour bar signal

2. P2 (REC.CURR) ① pin, ② pin &

3. • Connect an oscilloscope's CH-

and CH-2 to 20 pin.

same as CH-1.)

signal area.

mVp-p.

VR1 (REC-CHROMA), VR2 (REC-

1 to P2 (REC.CURR) ① pin

Set the oscilloscope's display

mode to "ADD" mode and CH-

2 polarity to "INVERTED". (Make

sure to set, the oscilloscope's

"volt/div" SW position where the

waveform is not distorted and

CH-2 position should be the

Turn the VB2 (BEC-Y) fully

\* Adjust VR1 (REC-CHROMA) so

that the chroma REC current

becomes 40 mVo-p at the burst

\* Disconnect the input signal, then

adjust VR2 (REC-Y) so that the

Y REC current becomes 270

PRE AMP PCB

Test tape

TF-527BL

TE-530RES

TF-532CBS

TF-553AT

. The colour bar generator output should be 1.0 Vp-p.

. The video output terminal should be terminated with

75 ohms (connect dummy load or 75 ohms input TV).

ADJ. part

12 (-22) 270mV

Description Part No. PW26X060X050PSL ZW-389923J PW31X110X050PSL ZW-389814J Retaining Ring Grip 380STL ACP ZW-332843 Review Brake Part ML-387321J Roller Impedance MR-387286J1 Slider Brake Part ML-387324J1 Slider Front Loading ML-387428J Slider Pinch Part ML-387431J1 Slider Trigger (2) ML-404944L SLIT W17X032X025PSL ZW-374445 SLIT W21X040X050PSL ZW-387492J Socket 174074-5 SP (P1) EJ-381837J Socket Housing 5062-30-10-13 (PS1) EJ-387497J SP Loading Brake ZG-387467J SP Plate Farth ZG-392294J SP Plate Holder ZG-387348J1 SP Pull Main Brake ZG-387320J

Description Part No. SP Pull Review Brake ZG-387323J SP Pull Slider ZG-387468J SP Pull Tension ZG-387272J SP Pull Toggle ZG-387414J SP Push A/C ZG-387438J1 SP Torsion Arm Damper ZG-395567J SP Torsion Coupling ZG-387403J SP Torsion Damper (T) ZG-388290J1 SP TorsionDamper(S) ZG-387421.J SP Torsion Load (2) ZG-392831J SP Torsion Load (S) ZG-387417J SP Torsion Load (T) ZG-387418J SP Torsion Release ZG-387420J1 SP Torsion Review ZG-387282J SP Trigger ZG-387443J ST BID30X06STL CMT ZS-358936 ST BID30X06STL CMT ZS-358936 ST BID30X12STL CMT ZS-336714 ST BID30X12STL CMT ZS-336714 ST PAN30X06STL **CMT C080** ZS-344754

Description Part No. ST PAN30X06STI CMT C080 ZS-344754 SW Leaf MTS1011MPC1 ES-373099 SW Mode Select MMS00070ZLBO (SW1) ES-387465J Tension Arm BLK 425EA BL-V1102A050A Tension Band Part ML-390768J4 TR Photo PN268 (TR1) ET-361490 TR Photo PT 4800 (TR2) ET-390010J TR Photo PT 493F (TR4) ET-390009J Upper Drum BLK X400EGN BV-V1123A420A

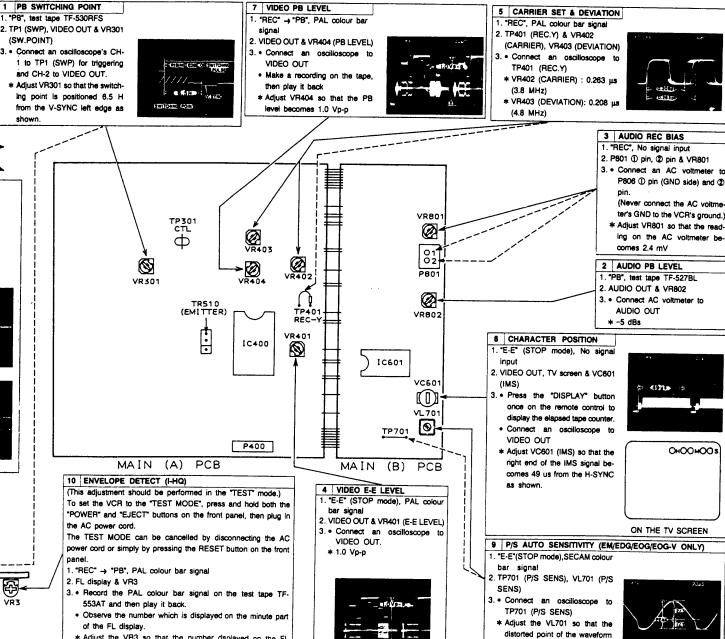
becomes 1/3 from the bottom

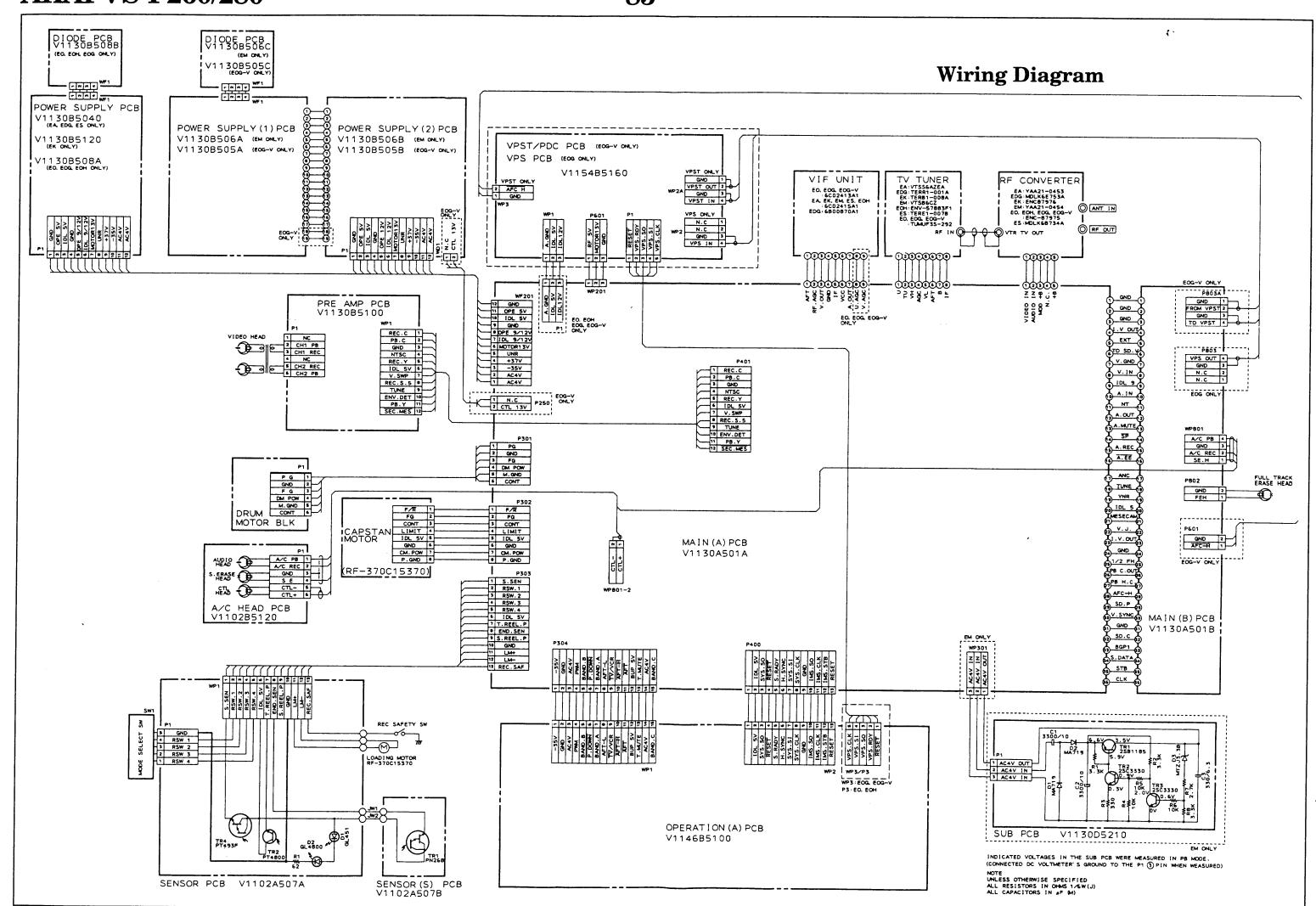
as shown

Service Adjustments

\* Adjust the VR3 so that the number displayed on the

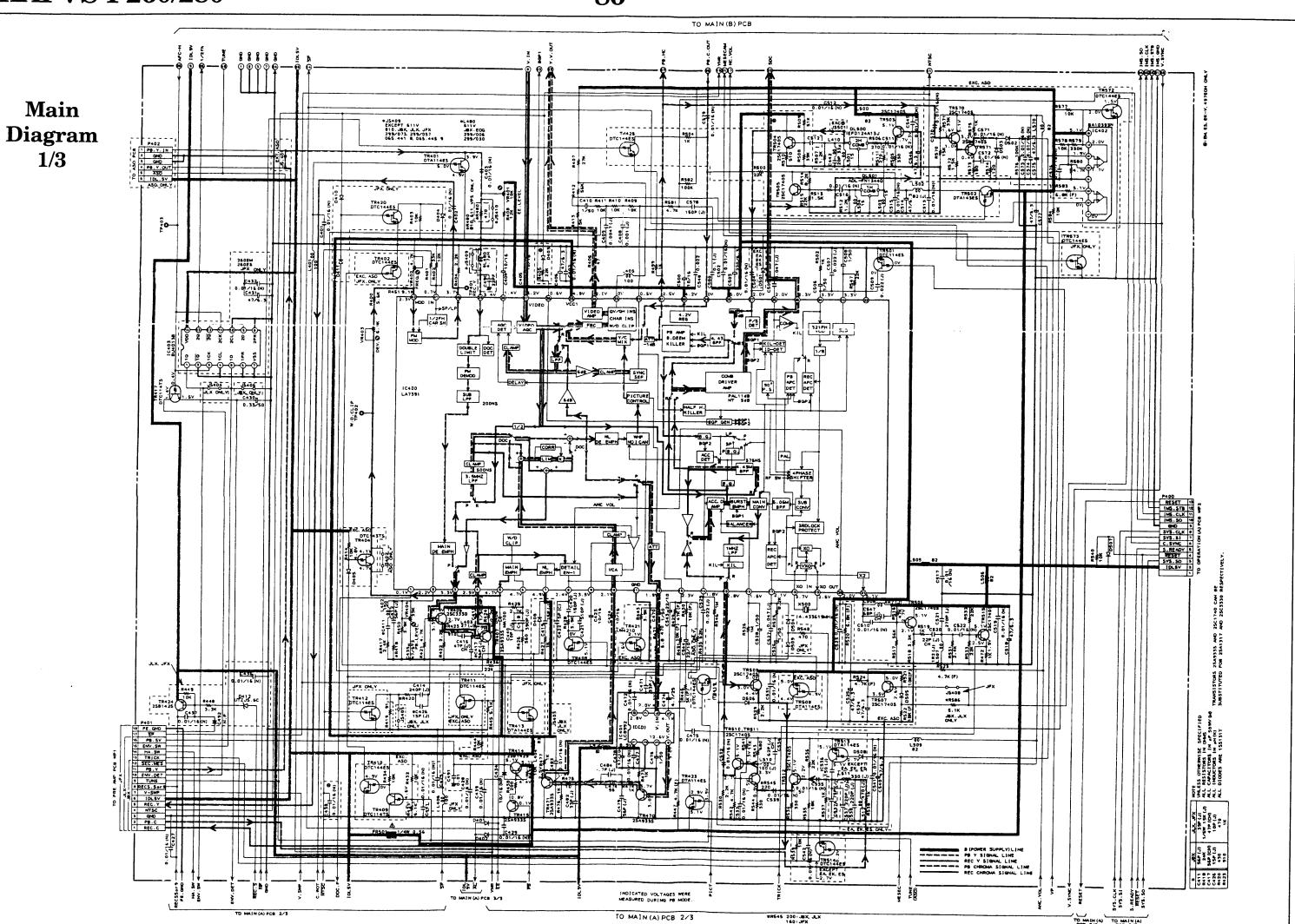
display becomes "91"

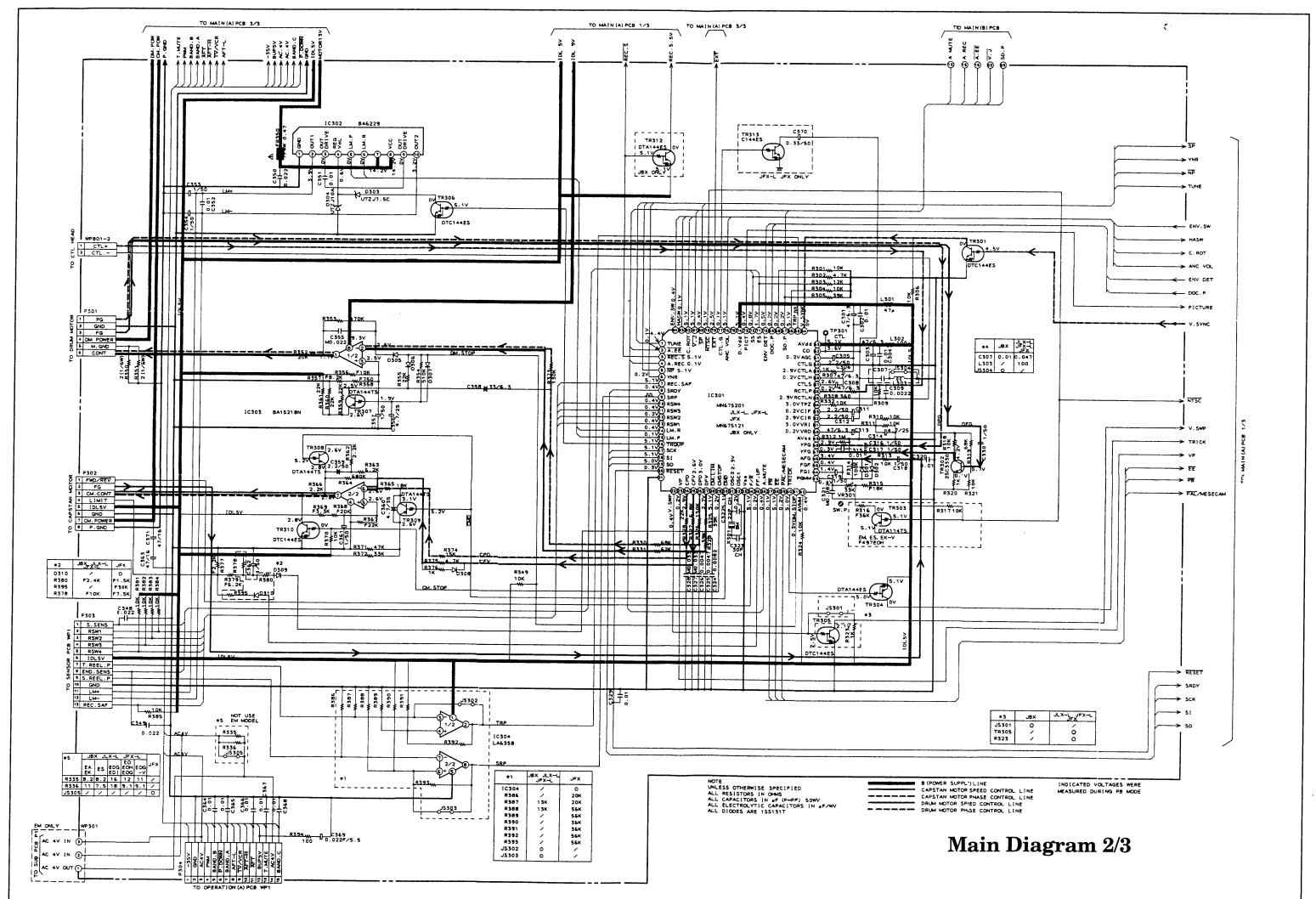


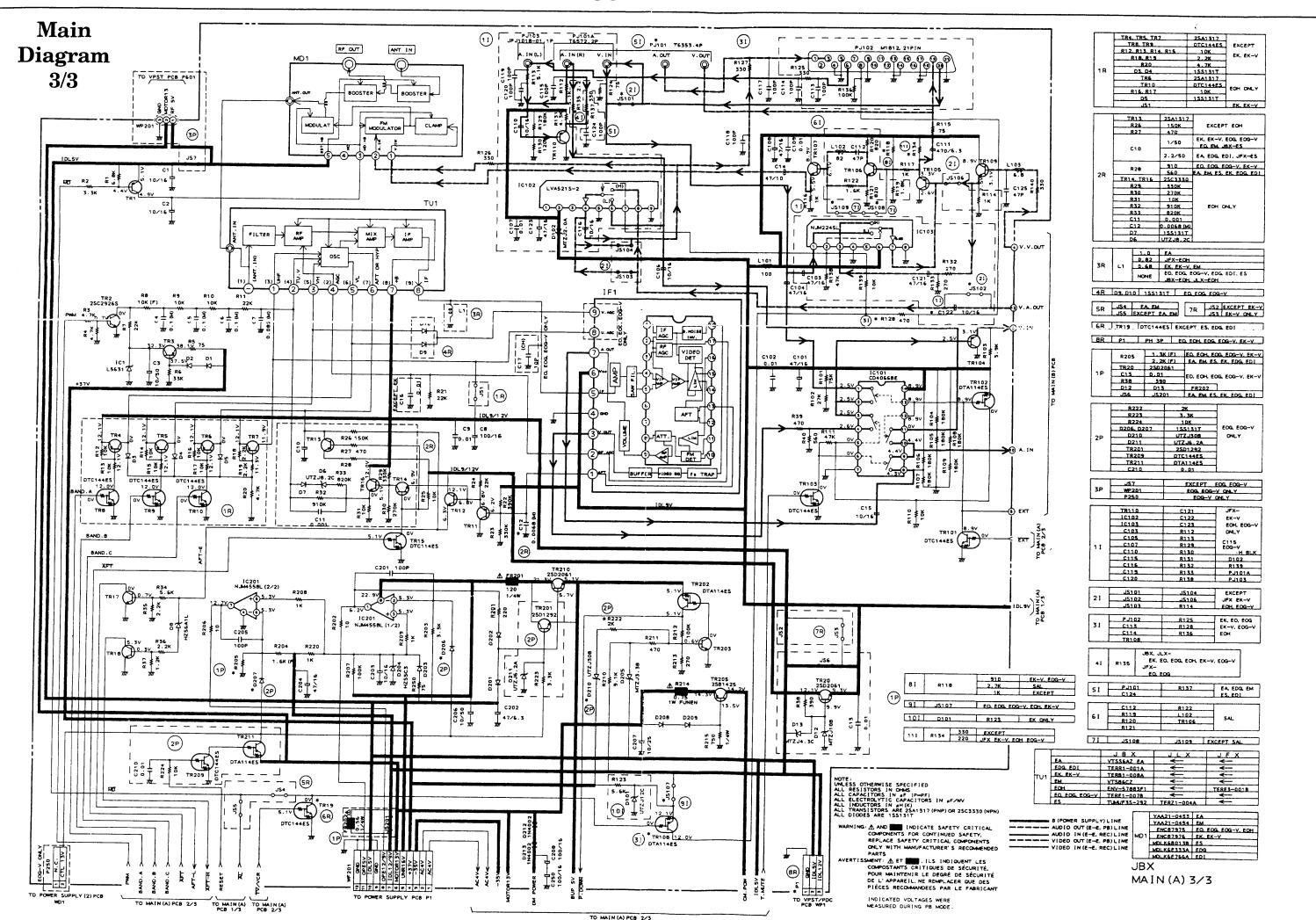


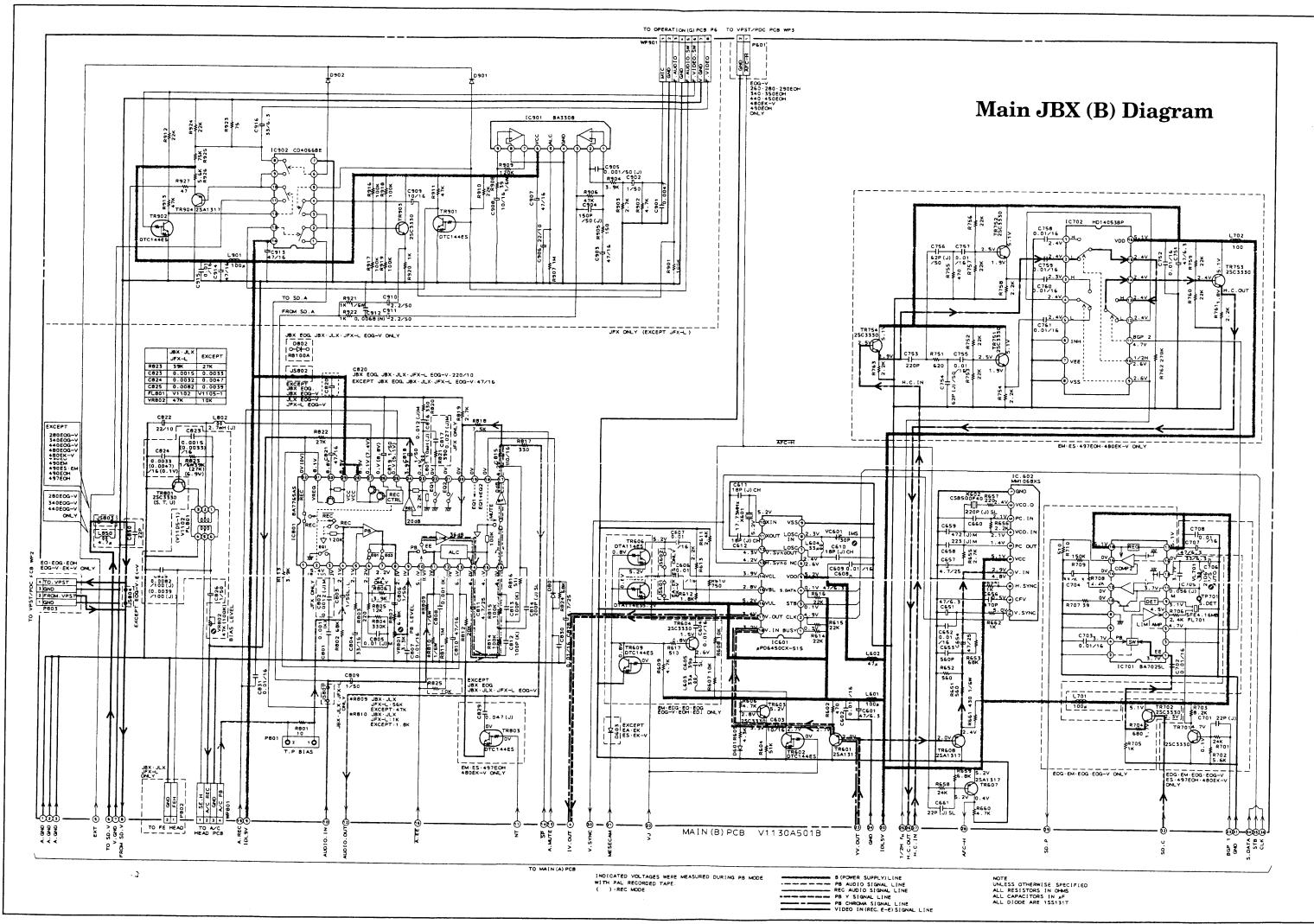
Main

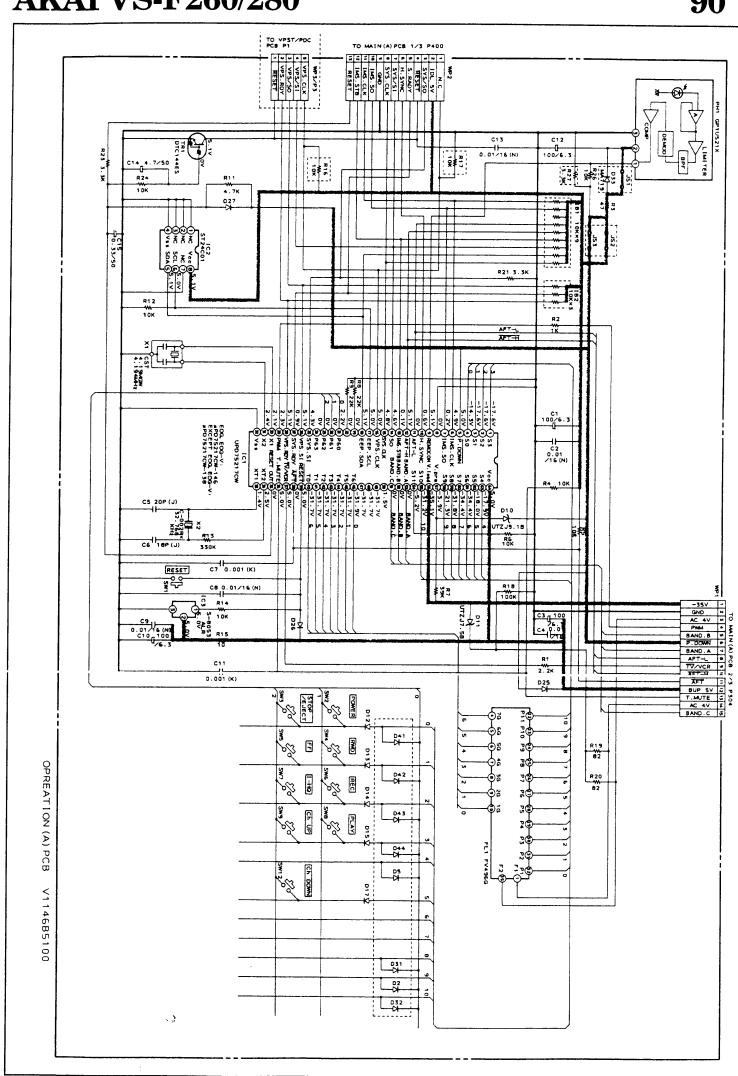
1/3

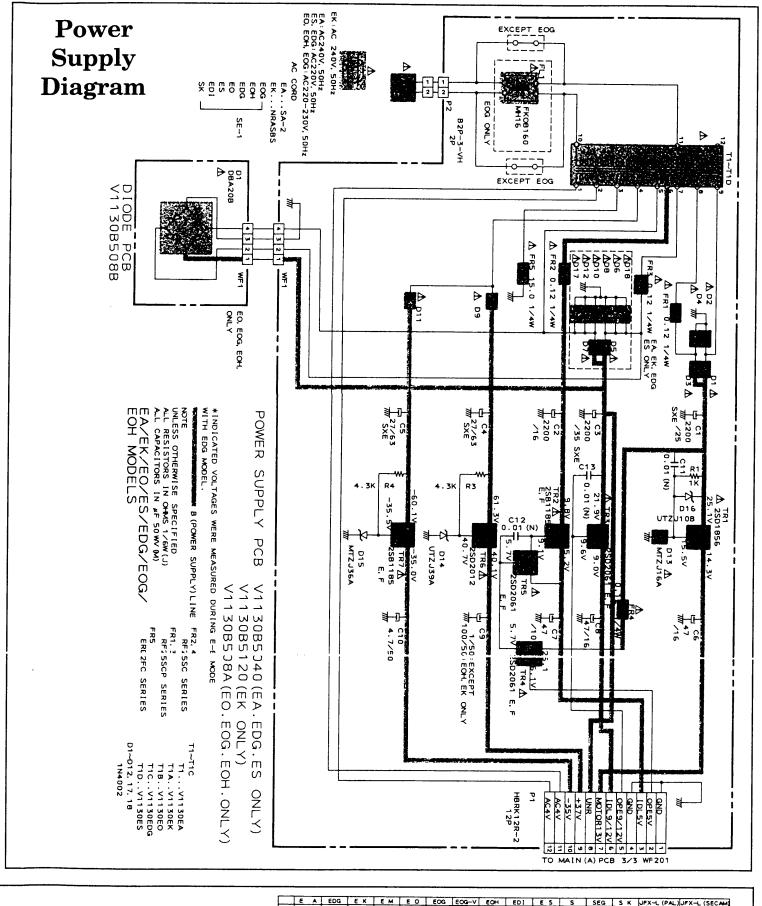












**Operations** JBX (A) Diagram

	E		EDG	EK	EM	E O	EOG	EOG-V	EOH	EDI	E S	S	SEG	SK	JFX-L (PAL)	JFX-L (SECAM
2						0	0	0	_							
5					0						0				1	
31												-	<u> </u>		0	
32								0	0*				1		<u> </u>	
33							0	ō							1	
41			0		0		0	0					0		1	
42				0	0						0			0	1	
43		2									Ō			_	1	
44						0				C					+	0
51	Ĉ		0	0	0	0			0	ō	0	0	0	0		
52	Ċ		0	0	0	0		$\Box$	0	0	0	6	Õ	Ö	1	
\$3							0	0						_	1	
16	_0		0	0	0	0	_	0	0	0	0				1	
17												C	0	0	1	
27		$\Box$					_						_		1	
3						0			0						1	
P3							0	C					-		1	

